

## ARG11162 anti-C Peptide antibody [CII-29]

Package: 100 µg

Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [CII-29] recognizes C Peptide
Tested Reactivity	Ms, Rat
Tested Application	ELISA
Specificity	This antibody is specific to N-terminal part of rat C-peptide. And this antibody detects Mouse and rat C-peptides I and II. This antibody minor detects rat proinsulin.
Host	Mouse
Clonality	Monoclonal
Clone	CII-29
Isotype	IgG1
Target Name	C Peptide
Species	Rat
Immunogen	Immunized with fragments of rat C-peptides I and II conjugated with the carrier protein.
Conjugation	Un-conjugated
Alternate Names	IDDM; IDDM2; IDDM1; ILPR; MODY10; Insulin; IRDN; C-peptide

### Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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### Properties

Form	Liquid
Purification	Protein A affinity purified.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	INS
Gene Full Name	insulin, C-peptide
Background	After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]
Function	Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	12 kDa
PTM	Cleavage on pair of basic residues; Disulfide bond
Cellular Localization	Secreted